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**ABSTRACT**

China colleges and universities that grant doctoral programs and the specialized fields offered are specified. For each of the 111 institutions, information is provided on the type of institution, location, alternative English versions of the school's name, and the doctoral degree programs offered. A brief narrative overview on the institutions and degrees is also presented. It is noted that the geographical distribution of the institutions is uneven: 10 of mainland China's 29 provinces, autonomous regions, and special municipalities do not have doctoral degree-granting institutions, and 40 of the 111 doctoral institutions are clustered in three metropolitan areas. Information is included on "key" institutions, or those that are eligible for preferential funding, staff selection, and student recruitment. The number of different fields of specialization in which doctoral programs are offered is about 260. The nature of the specializations in which the degree is offered is concentrated most heavily in technological and applied science fields, with a sizable number also in the pure physical and natural sciences. Only about 10% of the doctoral specializations are in the social sciences, and a slightly smaller number are in the areas of the arts and humanities. (SW)

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EDUCATIONAL RESEARCH PROGRAMS  
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It would be impossible to name here all the individuals consulted in the course of the report's preparation, but the writer would like to take this opportunity to convey his special thanks to the following: Mr. Joseph Wang, a private industrial consultant in the engineering field in Farmingdale, New York; Mr. Robert Dunn of the Chinese and Korean Section, Asian Division, Library of Congress; Dr. Michael Lindsay, Professor Emeritus of International Service, The American University, Washington, D. C., and his wife, Hsiao-li; and Dr. Charles T. G. Looney, retired Chairman, Civil Engineering Department, University of Maryland, College Park, Maryland.

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### Introduction of the Academic Degree System

In February 1980, after nearly two years of preliminary consideration, Chinese authorities announced that the People's Republic of China, for the first time since it was established in 1949, would introduce a comprehensive and systematic program to award formal academic degrees. The degrees to be conferred would be on the three traditional levels—bachelor's, master's, and doctoral degrees.

Following this announcement, the government set up special committees to work out further details on the implementation of the new policy, including critical determinations as to where and (in the case of advanced degrees) in what fields of specialization the degrees would be awarded. During the balance of 1980 and 1981 these arrangements were discussed and developed. By the beginning of 1982, decisions were made on the designation of the colleges and universities that would be authorized to grant one or more of the three levels of degrees, and the specialized fields in which programs for the advanced degrees (master's and doctorates) were to be offered by the various institutions of higher education.<sup>1</sup>

At this stage, detailed reportage giving the names of the colleges and universities that were authorized to award advanced degrees along with the specific specialized fields in which each of these institutions would offer post-graduate programs was apparently not made available in the Chinese

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<sup>1</sup> The name-list of the 458 institutions authorized to grant the bachelor's degree was published in China in the journal Gaojiao Zhanxian [Higher Education Front], No. 1, 1982 (January, 1982), pp. 27-28.

mass media.

### Initial Distribution of Doctoral Programs

Finally, in the spring of 1982, a new monthly official journal of the Ministry of Education, Gaojiao Zhanxian [Higher Education Front], published in its April and May issues a complete list of the initial group of colleges and universities authorized to grant doctoral degrees and the specialized fields in which each institution offered a doctoral program of studies. The detailed information contained in the list has been translated into English and is presented later in this report.

This comprehensive data on the doctoral programs offered in China's colleges and universities is of special significance in the context of academic and scientific and technological exchanges between the United States and China. It is of great value to American students and scholars interested in going to China to pursue advanced studies or research, or to teach or lecture in their specialties. It is also very useful to American institutions involved in the establishment of reciprocal relationships with one or more Chinese institutions. By identifying the specific Chinese colleges that have doctoral programs in particular fields, the information in the list clearly delineates those institutions that have especially strong high-level programs and highly qualified staff in certain academic areas.

It should be noted again at this juncture that the list presented and discussed in this report is of an initial group of colleges and universities offering doctoral programs, and that presumably both additional colleges and universities and other specialized fields will gradually be added as time passes. What we have here is, however, a basic benchmark list that sums up

the cumulative results of an extended period of development of high-level specializations by China's colleges and universities. As such, it will probably be changed only relatively slowly over the next few years. In view of the list's importance, some comments are warranted about both the institutions included on it and the doctoral fields of specialization which they offer.

#### Doctoral Degree-granting Institutions

With regard to the institutions, it should perhaps first be noted that the list includes a total of 111 colleges and universities authorized to grant doctoral degrees. The geographical distribution of these 111 institutions of higher education is rather uneven. Ten of mainland China's 29 provinces, autonomous regions, and special municipalities are not represented on the list by even a single doctoral degree-granting institution. The listed institutions are also highly concentrated within a few of the country's remaining nineteen major political subdivisions; 71 of them (nearly two-thirds of the total) are in only six jurisdictions. Furthermore, 40 of the 111 are clustered in only three metropolitan areas--Beijing (Peking) and Shanghai special municipalities and Nanjing (Nanking) city.

A more striking aspect of the list of doctoral degree-granting institutions is that a very significant number of them are not national "key" institutions. Since early 1978, the Chinese government has designated a sizable group among its several hundred colleges and universities--originally 88 institutions, but later gradually expanded to include 96--as national "key" institutions. These "key" institutions are eligible to receive preferential treatment in regard to funding, staff selection, and student recruitment in order to expedite their development as model insti-



tutions designed to play a leadership role in the improvement of the nation's educational system. During recent years these "key" institutions have come to be generally considered, both inside and outside China, as the best in the country in terms of the competencies of their faculties and the quality of their facilities and equipment. In these circumstances, one would have logically expected that the first group of 111 colleges and universities authorized to grant the highest academic degree would be made up of virtually all of the "key" institutions plus a dozen or so others. But such is not the case. In fact, 25 of the 96 "key" institutions (more than 1 in 4) are not on the doctoral degree-granting list. To put it another way, the latter list includes a very considerable number of institutions (40) that have not been designated as "key" institutions. Since the conferral of the doctoral degree is one kind of "status symbol" among institutions of higher education, this means, in effect, that the list of institutions authorized to grant the doctoral degree might be regarded as constituting a new and quite different roster of the leading colleges and universities in China.

A final and relatively minor point about the list of doctoral degree-granting institutions is that whereas all of these institutions, as might be assumed, have master's degree programs as well as doctoral programs, one of the listed institutions—Chinese Capital Medical University in Beijing (Peking)—has no undergraduate programs, and does not grant a bachelor's degree.

#### Doctoral Degree Program Specializations

Some summary observations may be in order concerning the fields of specialization (sometimes referred to as "specialties" or "specialities") in which the doctoral degree is awarded by the various Chinese colleges and



universities. First, with regard to their number, it is important to note that although the aggregate total of doctoral fields offered in all the 111 institutions combined is nearly 600, most fields are offered by more than one institution, and a few are offered by as many as a dozen institutions. As a result, the number of different fields of specialization in which a doctoral program is offered is much smaller--about 260.

As one would expect, the number of doctoral fields varies widely from one institution to another. Although on the average the colleges and universities on the list offer work in 5 or 6 fields, the big top-ranking institutions have doctoral programs in a much larger number of specializations. By far the highest number is at Beijing (Peking) University, the nation's foremost comprehensive (general) university with programs in the arts and humanities as well as the social and physical or natural sciences, where 45 doctoral fields are listed. A distant second place in this regard is occupied by Qinghua (Tsinghua) University, the country's leading applied science and technology institution, which has 31 fields. There is another substantial drop to the third position, Nanjing (Nanking) University with 24 fields. Only two additional institutions (Fudan University and Shanghai First Medical College) offer 20 or more doctoral specializations, but another dozen institutions award the degree in at least 10 different fields. At the other end of the scale are 32 institutions that offer doctoral work in only a single specialized field.

Regarding the nature of the specializations in which the degree is offered, it is noteworthy that they are concentrated most heavily in technological and applied science fields, with a sizable number also in the pure physical and natural sciences. Only a small proportion (about ten percent)

of the doctoral specializations are in the social sciences, and an even slightly smaller number are in the areas of the arts and humanities. Especially in the technological area, the doctoral fields tend to be very narrow, and to include specializations (such as welding, casting, and "cannons and automatic weapons") that would not be likely to be considered appropriate for doctoral degree purposes in this country.

The complete list of the specialized fields in which China's colleges and universities have been authorized to confer the doctoral degree is presented, on an institution-by-institution basis, in Table 1 below.

Table 1: Specialized Fields in which the Colleges and Universities  
May Award Doctoral Degrees, by Institution (1982)<sup>1</sup>

Beijing (Peking) Municipality

1. BEIJING UNIVERSITY<sup>2</sup>

Alternative English versions of name: Peking University

Location: Beijing (Peking) municipality

Type of institution: Comprehensive (national "key" institution)

Listing in Institutional Profiles: p. 20<sup>3</sup>

Specialized fields in which a doctoral degree may be conferred:

History of Chinese Philosophy  
Contemporary Foreign Philosophy  
History of Marxist Philosophy  
Aesthetics  
Logic  
History of Foreign Economic Thought  
Economic History of China  
Legal Theory  
International Economic Law  
International Law  
Contemporary Chinese Literature  
Ancient Chinese Literature  
Chinese Classical Historical Texts  
Contemporary Chinese Language  
History of the Chinese Language  
English Language and Literature  
German Language and Literature  
Hindi Language and Literature  
Archaeology  
Ancient Chinese History  
Basic Mathematics  
Computational Mathematics  
Applied Mathematics  
Probability Theory and Mathematical Statistics  
Theoretical Physics  
Solid State Physics  
Nuclear Physics and Nuclear Technology  
Electron and Ion Physics  
Inorganic Chemistry  
Analytical Chemistry  
Physical Chemistry  
Organic Chemistry  
High Polymer Chemistry  
Paleontology and Stratigraphy  
Physical Geography  
Historical Geography and History of Geography

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For footnotes, see end of Table (p. 43).

Weather Dynamics  
 Botany  
 Plant Physiology  
 Zoology  
 Entomology  
 Physiology  
 Biochemistry  
 Solid State Mechanics  
 Fluid Mechanics

## 2. PEOPLE'S UNIVERSITY OF CHINA

Alternative English versions of name: Chinese People's University  
 Location: Beijing (Peking) municipality  
 Type of institution: Comprehensive (national "key" institution)  
 Listing in Institutional Profiles: p. 99  
 Specialized fields in which a doctoral degree may be conferred:

Dialectical Materialism and Historical Materialism  
 History of Chinese Philosophy  
 Political Economy  
 World Economics  
 Money and Banking  
 Statistics  
 History of the Chinese Communist Party  
 History of the International Communist Movement  
 Ancient Chinese History

## 3. QINGHUA UNIVERSITY

Alternative English versions of name: Tsinghua University  
 Location: Beijing (Peking) municipality  
 Type of institution: Scientific and Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 101  
 Specialized fields in which a doctoral degree may be conferred:

Computational Mathematics  
 Theoretical Physics  
 Optics  
 Solid State Mechanics  
 Machinery Studies  
 Technology and Apparatus for Precision Measurement and Testing  
 Optical Instruments  
 Metallic Materials and Heat Treatment  
 Casting  
 Pressure Processing  
 Welding  
 Engineering Thermal Physics

Motor Vehicles  
 Electric Motors  
 Electrical Power Systems and their Automation  
 High Voltage Electrical Engineering  
 Theoretical Electrical Engineering  
 Communications and Electronic Systems  
 Semi-conductor Physics and Apparatus  
 Computer Organization and Systems Structure  
 Automatic Controls  
 Automation Instrumentation and Installation  
 Systems Engineering  
 Modular Recognition and Intelligent Control  
 Urban Planning and Design  
 Geotechnical Engineering  
 Hydraulics and River and Seashore Dynamics  
 Hydraulic Structural Engineering  
 Transmission and Separation Engineering  
 Nuclear Materials  
 Isotope Separation

#### 4. BEIJING AERONAUTICAL COLLEGE

Alternative English versions of name: Beijing (Peking) Institute of Aeronautics

Location: Beijing (Peking) municipality

Type of institution: Technological (national "key" institution)

Listing in Institutional Profiles: p. 10

Specialized fields in which a doctoral degree may be conferred:

Solid State Mechanics  
 Aerodynamics  
 General Mechanics  
 Machinery Studies  
 Automatic Controls  
 Flight Mechanics  
 Aircraft Design  
 Aviation Engines  
 Aircraft Navigation and Control Systems  
 Engineering for the Manufacture of Aeronautic Instruments  
 Flight Gyroscopic and Inertial Guidance

#### 5. BEIJING INDUSTRIAL COLLEGE

Alternative English versions of name: Beijing (Peking) Institute of Technology

Location: Beijing (Peking) municipality

Type of institution: Technological (national "key" institution)

Listing in Institutional Profiles: p. 15

Specialized fields in which a doctoral degree may be conferred:

Applied Mathematics  
Energy-containing Materials  
Vehicular Engineering (Vehicles and Motors)

#### 6. BEIJING IRON AND STEEL COLLEGE

Alternative English versions of name: Beijing (Peking) Iron and Steel Institute; Beijing (Peking) Institute of Iron and Steel Technology

Location: Beijing (Peking) municipality

Type of institution: Technological (national "key" institution)

Listing in Institutional Profiles: p. 11

Specialized fields in which a doctoral degree may be conferred:

Metallurgical Machinery  
Physics of Metals  
Metallic Materials and Heat Treatment  
Pressure Processing  
Corrosion and Wear of Metals and their Prevention  
Metallurgical Physical Chemistry  
Iron and Steel Metallurgy  
Mining Engineering

#### 7. BEIJING POST AND TELECOMMUNICATIONS COLLEGE

Alternative English versions of name: Beijing (Peking) Institute of Post and Telecommunications

Location: Beijing (Peking) municipality

Type of institution: Technological (national "key" institution)

Listing in Institutional Profiles: p. 15

Specialized fields in which a doctoral degree may be conferred:

Communications and Electronic Systems  
Electro-magnetic Field and Microwave Technology

#### 8. NORTHERN COMMUNICATIONS UNIVERSITY

Alternative English versions of name: North China Jiaotong University

Location: Beijing (Peking) municipality

Type of institution: Technological (national "key" institution)

Listing in Institutional Profiles: p. 93

Specialized fields in which a doctoral degree may be conferred:

Railway Signal Systems and Controls

## 9. BEIJING AGRICULTURAL MECHANIZATION COLLEGE

Alternative English versions of name: Beijing (Peking) Institute of Agricultural Mechanization

Location: Beijing (Peking) municipality

Type of institution: Technological (national "key" institution)

Listing in Institutional Profiles: p. 13

Specialized fields in which a doctoral degree may be conferred:

Design and Manufacture of Agricultural Machinery

## 10. BEIJING TEACHERS UNIVERSITY

Alternative English versions of name: Beijing (Peking) Normal University

Location: Beijing (Peking) municipality

Type of institution: Teacher Training (national "key" institution)

Listing in Institutional Profiles: p. 17

Specialized fields in which a doctoral degree may be conferred:

World Economics

Basic Theories of Education

History of Chinese Education

Developmental Psychology

Contemporary Chinese Literature

Chinese Folk Literature

Philology of the Chinese Language

Historiography

Ancient Chinese History

Basic Mathematics

Probability Theory and Mathematical Statistics

Theoretical Physics

Solid State Physics

Physical Chemistry

Organic Chemistry

Ancient Geography

Cytology/Cell Biology

## 11. BEIJING FOREIGN LANGUAGES COLLEGE

Alternative English versions of name: Beijing (Peking) Foreign Languages Institute

Location: Beijing (Peking) municipality

Type of institution: Language (national "key" institution)

Listing in Institutional Profiles: p. 12

Specialized fields in which a doctoral degree may be conferred:

English Language and Literature



## 12. CENTRAL MUSIC COLLEGE

Alternative English versions of name: Central Music Conservatory  
 Location: Beijing (Peking) municipality  
 Type of institution: Arts (national "key" institution)  
 Listing in Institutional Profiles: p. 24  
 Specialized fields in which a doctoral degree may be conferred:

Musicology (History of Chinese Music)

## 13. BEIJING AGRICULTURAL UNIVERSITY

Alternative English versions of name: Peking Agricultural University  
 Location: Beijing (Peking) municipality  
 Type of institution: Agricultural (national "key" institution)  
 Listing in Institutional Profiles: p. 9  
 Specialized fields in which a doctoral degree may be conferred:

Crop Genetics and Crop Breeding  
 Plant Physiology and Biochemical Pedology  
 Preparation of Agricultural Chemicals and Pesticides  
 Plant Pathology  
 Entomology  
 Agricultural Microbiology

## 14. BEIJING FORESTRY COLLEGE

Alternative English versions of name: Beijing (Peking) Institute of Forestry  
 Location: Beijing (Peking) municipality  
 Type of institution: Forestry (national "key" institution)  
 Listing in Institutional Profiles: p. 14  
 Specialized fields in which a doctoral degree may be conferred:

Forest Ecology  
 Forest Management

## 15. CHINESE CAPITAL MEDICAL UNIVERSITY

Alternative English versions of name: Capital Medical University  
 Location: Beijing (Peking) municipality  
 Type of institution: Medical (national "key" institution)  
 Listing in Institutional Profiles: p. 21

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Specialized fields in which a doctoral degree may be conferred:

Biochemistry  
Microbiology and Immunology  
Internal Medicine  
Surgery  
Gynecology  
Ophthalmology  
Neurology  
Nuclear Medicine

16. BEIJING MEDICAL COLLEGE

Alternative English versions of name: Peking Medical College

Location: Beijing (Peking) municipality

Type of institution: Medical (national "key" institution)

Listing in Institutional Profiles: p. 16

Specialized fields in which a doctoral degree may be conferred:

Human Anatomy  
Tissue Embryology  
Physiology  
Biochemistry  
Internal Medicine  
Surgery  
Pediatrics  
Stomatology  
Diagnostic Radiology  
Juvenile Hygiene  
Labor Hygiene and Occupational Diseases  
Pharmaceutical Chemistry  
Pharmacognosy

17. BEIJING SECOND MEDICAL COLLEGE

Alternative English versions of name: Beijing (Peking) Medical College No. 2

Location: Beijing (Peking) municipality

Type of institution: Medical

Listing in Institutional Profiles: p. 19

Specialized fields in which a doctoral degree may be conferred:

Internal Medicine  
Surgery  
Ophthalmology

## 18. BEIJING COLLEGE OF CHINESE MEDICINE

Alternative English versions of name: Beijing (Peking) College of  
Traditional Chinese Medicine

Location: Beijing (Peking) municipality

Type of institution: Medical (national "key" institution)

Listing in Institutional Profiles: p. 11

Specialized fields in which a doctoral degree may be conferred:

Internal Channels

Febrile Diseases

Theories of the Various Schools

Chinese Internal Medicine

Tianjin (Tientsin) Municipality

## 19. NANKAI UNIVERSITY

Alternative English versions of name: \_\_\_\_\_

Location: Tianjin (Tientsin) municipality

Type of institution: Comprehensive (national "key" institution)

Listing in Institutional Profiles: p. 91

Specialized fields in which a doctoral degree may be conferred:

Economic History of China

World Economics

Language and Literature of the Dong and Tai Language Groups

Ancient Chinese History

History of World Regions and Individual Nations

Basic Mathematics

Probability Theory and Mathematical Statistics

Theoretical Physics

Physical Chemistry

Organic Chemistry

High Polymer Chemistry

## 20. TIANJIN UNIVERSITY

Alternative English versions of name: Tientsin University

Location: Tianjin (Tientsin) municipality

Type of institution: Scientific and Technological (national "key" institution)

Listing in Institutional Profiles: p. 132

Specialized fields in which a doctoral degree may be conferred:

Experimental Mechanics

Machinery Manufacturing

Technology and Apparatus for Precision Measurement and Testing

Welding

Internal Combustion Engines

Electrical Power Systems and their Automation  
 Systems Engineering  
 Transmission and Separation Engineering  
 Basic Inorganic and Organic Chemical Engineering

## 21. TIANJIN MEDICAL COLLEGE

Alternative English versions of name: Tientsin Medical College  
 Location: Tianjin (Tientsin) municipality  
 Type of institution: Medical  
 Listing in Institutional Profiles: p. 130  
 Specialized fields in which a doctoral degree may be conferred:

Internal Medicine

### Liaoning Province

## 22. DALIAN TECHNOLOGICAL COLLEGE

Alternative English versions of name: Dalian (Dairen) Institute of Technology  
 Location: Dalian (Dairen) city, Liaoning province  
 Type of institution: Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 35  
 Specialized fields in which a doctoral degree may be conferred:

Computational Mechanics  
 Machinery Manufacturing  
 Internal Combustion Engines  
 Systems Engineering  
 Hydraulic Structural Engineering  
 Chemical Engineering Fluid Mechanics and Heat Transmission  
 Fine Chemical Engineering

## 23. NORTHEAST TECHNOLOGICAL COLLEGE

Alternative English versions of name: Northeast Institute of Technology  
 Location: Shenyang (Mukden) city, Liaoning province  
 Type of institution: Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 95  
 Specialized fields in which a doctoral degree may be conferred:

Machinery Manufacturing  
 Machinery Studies  
 Pressure Processing  
 Iron and Steel Metallurgy  
 Non-ferrous Metallurgy  
 Computer Applications  
 Industrial Automation

## 24. SHENYANG AGRICULTURAL COLLEGE

Alternative English versions of name: Shenyang Agricultural Institute  
 Location: Shenyang (Mukden) city, Liaoning province  
 Type of institution: Agricultural (national "key" institution)  
 Listing in Institutional Profiles: p. 116  
 Specialized fields in which a doctoral degree may be conferred:

Crop Cultivation  
 Vegetables  
 Soil

## 25. CHINA MEDICAL UNIVERSITY

Alternative English versions of name: ———  
 Location: Shenyang (Mukden) city, Liaoning province  
 Type of institution: Medical  
 Listing in Institutional Profiles: p. 30  
 Specialized fields in which a doctoral degree may be conferred:

Human Anatomy  
 Dermatology

## 26. SHENYANG PHARMACOLOGY COLLEGE

Alternative English versions of name: Shenyang (Mukden) Institute of  
 Pharmacology  
 Location: Shenyang (Mukden) city, Liaoning province  
 Type of institution: Scientific/Medical  
 Listing in Institutional Profiles: p. 117  
 Specialized fields in which a doctoral degree may be conferred:

Pharmaceutics

Jilin (Kirin) Province

## 27. JILIN UNIVERSITY

Alternative English versions of name: Kirin University  
 Location: Changchun city, Jilin (Kirin) province  
 Type of institution: Comprehensive (national "key" institution)  
 Listing in Institutional Profiles: p. 76  
 Specialized fields in which a doctoral degree may be conferred:

Political Economy  
 Archaeology

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Ancient Chinese History  
 Basic Mathematics  
 Computational Mathematics  
 Theoretical Physics  
 Solid State Physics  
 Semi-conductor Physics and Apparatus  
 Atomic and Molecular Physics  
 Physical Chemistry  
 Computer Software

#### 28. CHANGCHUN GEOLOGICAL COLLEGE

Alternative English versions name: Changchun Institute of Geology  
 Location: Changchun city, Jilin (Kirin) province  
 Type of institution: Scientific and Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 25  
 Specialized fields in which a doctoral degree may be conferred:

Petrology (including Sedimentation)

#### 29. JILIN INDUSTRIAL UNIVERSITY

Alternative English versions of name: Jilin (Kirin) Polytechnical University  
 Location: Changchun city, Jilin (Kirin) province  
 Type of institution: Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 75  
 Specialized fields in which a doctoral degree may be conferred:

Design and Manufacture of Agricultural Machinery  
 Motor Vehicles

#### 30. NORTHEAST TEACHERS UNIVERSITY

Alternative English versions of name: Northeast Normal University;  
 formerly Jilin (Kirin) Normal University  
 Location: Changchun city, Jilin (Kirin) province  
 Type of institution: Teacher Training  
 Listing in Institutional Profiles: —  
 Specialized fields in which a doctoral degree may be conferred:

Ancient Chinese Literature  
 Ancient World History

## 31. BETHUNE MEDICAL UNIVERSITY

Alternative English versions of name: —

Location: Changchun city, Jilin (Kirin) province

Type of institution: medical

Listing in Institutional Profiles: p. 305

Specialized fields in which a doctoral degree may be conferred:

Microbiology and Immunology  
Neurology

Heilongjiang (Heilungkiang) Province

## 32. HARBIN INDUSTRIAL UNIVERSITY

Alternative English versions of name: Harbin Institute of Technology;  
Harbin Polytechnical University

Location: Harbin city, Heilongjiang (Heilungkiang) province

Type of institution: Technological (national "key" institution)

Listing in Institutional Profiles: p. 54

Specialized fields in which a doctoral degree may be conferred:

Optics  
Solid State Mechanics  
General Mechanics  
Machinery manufacturing  
Metallic Materials and Heat Treatment  
Welding  
Electric motors  
Computer Organization and Systems Structure

## 33. HARBIN SHIP ENGINEERING COLLEGE

Alternative English versions of name: Harbin Ship Engineering Institute;  
Harbin College of Shipbuilding

Location: Harbin city, Heilongjiang (Heilungkiang) province

Type of institution: Technological (national "key" institution)

Listing in Institutional Profiles: p. 53

Specialized fields in which a doctoral degree may be conferred:

Shipbuilding Fluid Mechanics  
Marine Acoustics Engineering

## 34. HARBIN ARCHITECTURAL ENGINEERING COLLEGE

Alternative English versions of name: Harbin Institute of Architectural  
Engineering

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Location: Harbin city, Heilongjiang (Heilungkiang) province  
 Type of institution: Technological  
 Listing in Institutional Profiles: p. 53  
 Specialized fields in which a doctoral degree may be conferred:

Structural Mechanics

### 35. NORTHEAST AGRICULTURAL COLLEGE

Alternative English versions of name: Northeast Agricultural Institute  
 Location: Harbin city, Heilongjiang (Heilungkiang) province  
 Type of institution: Agricultural  
 Listing in Institutional Profiles: p. 94  
 Specialized fields in which a doctoral degree may be conferred:

Agricultural Mechanization  
 Animal Nutrition

### 36. NORTHEAST FORESTRY COLLEGE

Alternative English versions of name: Northeast Forestry Institute  
 Location: Harbin city, Heilongjiang (Heilungkiang) province  
 Type of institution: Forestry  
 Listing in Institutional Profiles: p. 94  
 Specialized fields in which a doctoral degree may be conferred:

Forest Botany  
 Forest Ecology

### 37. HARBIN MEDICAL UNIVERSITY

Alternative English versions of name: —  
 Location: Harbin city, Heilongjiang (Heilungkiang) province  
 Type of institution: Medical  
 Listing in Institutional Profiles: p. 54  
 Specialized fields in which a doctoral degree may be conferred:

Medical Biology and Medical Genetics  
 Physiology  
 Internal Medicine  
 Nutritional Hygiene and Food Hygiene

Shanghai Municipality

## 38. FUDAN UNIVERSITY

Alternative English versions of name: Fudan University  
 Location: Shanghai Municipality  
 Type of institution: Comprehensive (national "key" institution)  
 Listing in Institutional Profiles: p. 39  
 Specialized fields in which a doctoral degree may be conferred:

History of Foreign Philosophy  
 Political Economy  
 Ancient Chinese Literature  
 Styles and Forms of Chinese Literature  
 History of Chinese Literary Criticism  
 History of the Chinese Language  
 Ancient Chinese History  
 Ancient World History  
 Historical Geography  
 Basic Mathematics  
 Applied Mathematics  
 Theoretical Physics  
 Solid State Physics  
 Nuclear Physics and Nuclear Technology  
 Vacuum Physics  
 Inorganic Chemistry  
 Physical Chemistry  
 High Polymer Chemistry  
 Virology  
 Genetics  
 Fluid Mechanics

## 39. TONGJI UNIVERSITY

Alternative English versions of name: Tongchi University  
 Location: Shanghai Municipality  
 Type of institution: Scientific and Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 134  
 Specialized fields in which a doctoral degree may be conferred:

Urban Planning and Design  
 Construction Design  
 Structural Engineering  
 Municipal Engineering  
 Inorganic Nonmetallic Materials

## 40. EAST CHINA CHEMICAL ENGINEERING COLLEGE

Alternative English versions of name: East China Institute of Chemical Technology

Location: Shanghai Municipality  
 Type of institution: Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 37  
 Specialized fields in which a doctoral degree may be conferred:

Chemical Engineering machinery  
 Industrial Automation  
 High Polymer materials  
 Transmission and Separation Engineering  
 Petroleum Processing Engineering

#### 41. SHANGHAI COMMUNICATIONS UNIVERSITY

Alternative English versions of name: Shanghai Jiaotong University  
 Location: Shanghai Municipality  
 Type of institution: Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 111  
 Specialized fields in which a doctoral degree may be conferred:

Solid State Physics  
 Solid State Mechanics  
 Machinery Manufacturing  
 Machinery Studies  
 Communications and Electronic Systems  
 Automatic Controls  
 Shipbuilding Design and Manufacture  
 Shipbuilding Structural Mechanics  
 Shipbuilding Fluid Mechanics  
 Marine Turbines  
 Marine Internal Combustion Engines  
 Vibration, Shock, and Noise

#### 42. EAST CHINA TEXTILE ENGINEERING COLLEGE

Alternative English versions of name: East China Institute of Textile Engineering; formerly Shanghai Textile College (or Institute)  
 Location: Shanghai Municipality  
 Type of institution: Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 114  
 Specialized fields in which a doctoral degree may be conferred:

Chemical Fibres  
 Textile Materials  
 Textile Machinery

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## 43. SHANGHAI UNIVERSITY OF SCIENCE AND TECHNOLOGY

Alternative English versions of name: —  
 Location: Shanghai Municipality  
 Type of institution: Scientific and Technological  
 Listing in Institutional Profiles: p. 114  
 Specialized fields in which a doctoral degree may be conferred:

Electro-magnetic Field and Microwave Technology

## 44. EAST CHINA TEACHERS UNIVERSITY

Alternative English versions of name: East China Normal University;  
 formerly Shanghai Normal University  
 Location: Shanghai Municipality  
 Type of institution: Teacher Training (national "key" institution)  
 Listing in Institutional Profiles: p. 38  
 Specialized fields in which a doctoral degree may be conferred:

History of Chinese Philosophy  
 World Economics  
 Basic Theories of Education  
 Developmental Psychology  
 Ancient Chinese Literature  
 History of Historiography  
 Ancient Chinese History  
 Basic mathematics  
 Radiophysics  
 Natural Geography  
 Regional Geography  
 Zoology

## 45. SHANGHAI FINANCE AND ECONOMICS COLLEGE

Alternative English versions of name: Shanghai Institute of Finance and  
 Economics  
 Location: Shanghai Municipality  
 Type of institution: Economics and Commerce  
 Listing in Institutional Profiles: p. 111  
 Specialized fields in which a doctoral degree may be conferred:

Accounting

## 46. SHANGHAI FIRST MEDICAL COLLEGE

Alternative English versions of name: Shanghai Medical College No. 1  
 Location: Shanghai Municipality

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Type of institution: Medical (national "key" institution)  
 Listing in Institutional Profiles: p. 110  
 Specialized fields in which a doctoral degree may be conferred:

Human Anatomy  
 Tissue Embryology  
 Physiology  
 Biochemistry  
 Microbiology and Immunology  
 Pathological Physiology  
 Pathological Anatomy  
 Pharmacology  
 Internal Medicine  
 Surgery  
 Ophthalmology  
 Otolaryngology  
 Neurology  
 Dermatology  
 Infectious Diseases  
 Diagnostic Radiology  
 Epidemiology  
 Environmental Sanitation  
 Labor Hygiene and Occupational Diseases  
 Fundamentals of the Integration of Chinese and Western  
 Medicine (Acupuncture Anaesthesia)  
 Fundamentals of the Integration of Chinese and Western  
 Medicine (Kidney Research)

#### 47. SHANGHAI SECOND MEDICAL COLLEGE

Alternative English versions of name: Shanghai Medical College No. 2  
 Location: Shanghai Municipality  
 Type of institution: Medical  
 Listing in Institutional Profiles: p. 113  
 Specialized fields in which a doctoral degree may be conferred:

Microbiology and Immunology  
 Internal Medicine  
 Surgery  
 Pediatrics  
 Stomatology  
 Chinese and Western Medicine Integration Clinic (Endocrinology  
 and Cardiovascular Diseases)

#### 48. SHANGHAI COLLEGE OF CHINESE MEDICINE

Alternative English versions of name: Shanghai College of Traditional  
 Chinese Medicine  
 Location: Shanghai Municipality

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Type of institution: Medical

Listing in Institutional Profiles: p. 109

Specialized fields in which a doctoral degree may be conferred:

Chinese Internal Medicine  
Chinese Surgery (Skin)  
Acupuncture and Moxibustion

Jiangsu (Kiangsu) Province

49. NANJING UNIVERSITY

Alternative English versions of name: Nanking University

Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province

Type of institution: Comprehensive (national "key" institution)

Listing in Institutional Profiles: p. 90

Specialized fields in which a doctoral degree may be conferred:

Ancient Chinese Literature  
English Language and Literature  
French Language and Literature  
Ancient Chinese History  
History of World Regions and Individual Nations  
Specialized History  
Basic Mathematics  
Theoretical Physics  
Solid State Physics  
Acoustics  
Nuclear Physics and Nuclear Technology  
Radiophysics  
Inorganic Chemistry  
Analytical Chemistry  
Organic Chemistry  
Astrophysics  
Mineral Deposits  
Structural Geology  
Physical Geography  
Weather Dynamics  
Climatology  
Botany  
Biochemistry  
Computer Software

50. NANJING TECHNOLOGICAL COLLEGE

Alternative English versions of name: Nanjing (Nanking) Institute of Technology

Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province

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Type of institution: Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 89  
 Specialized fields in which a doctoral degree may be conferred:

Casting  
 Communications and Electronic Systems  
 Electron Physics and Apparatus  
 Automatic Controls  
 History and Theory of Architecture  
 Architectural Design and Structural Engineering

#### 51. NANJING AERONAUTICAL COLLEGE

Alternative English versions of name: Nanjing (Nanking) Institute of Aeronautics  
 Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province  
 Type of institution: Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 86  
 Specialized fields in which a doctoral degree may be conferred:

Solid State Mechanics  
 Aerodynamics  
 Machinery Manufacture  
 Aircraft Design  
 Aviation Engines

#### 52. EAST CHI . ENGINEERING COLLEGE

Alternative English versions of name: East China Institute of Engineering  
 Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province  
 Type of institution: Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 37  
 Specialized fields in which a doctoral degree may be conferred:

Ballistics  
 Energy-containing Materials  
 Cannons and Automatic Weapons

#### 53. CHINA MINING COLLEGE

Alternative English versions of name: China Mining Institute  
 Location: Xuzhou (Hsuehchow) city, Jiangsu (Kiangsu) province  
 Type of institution: Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 30

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Specialized fields in which a doctoral degree may be conferred:

Coalfield Geology and Prospecting  
 Mine Construction Engineering  
 Mine Electrification and Automation  
 Mine Machinery Engineering  
 Mine Engineering Mechanics

54. EAST CHINA WATER CONSERVANCY COLLEGE

Alternative English versions of name: East China Institute of Water Conservancy

Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province

Type of institution: Technological (national "key" institution)

Listing in Institutional Profiles: p. 38

Specialized fields in which a doctoral degree may be conferred:

Geotechnical Engineering  
 Engineering Hydrology and Water Resources  
 Hydraulics and River and Seashore Dynamics  
 Hydraulic Structural Engineering

55. NANJING FOREST PRODUCTS INDUSTRY COLLEGE

Alternative English versions of name: Nanjing (Nanking) Forestry Products Engineering Institute

Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province

Type of institution: Technological/Forestry

Listing in Institutional Profiles: p. 88

Specialized fields in which a doctoral degree may be conferred:

Forest Ecology  
 Silviculture

56. ZHENJIANG AGRICULTURAL MACHINERY COLLEGE

Alternative English versions of name: Zhenjiang (Chenkiang) Institute of Agricultural Machinery

Location: Zhenjiang (Chenkiang) city, Jiangsu (Kiangsu) province

Type of institution: Technological (national "key" institution)

Listing in Institutional Profiles: p. 154

Specialized fields in which a doctoral degree may be conferred:

Design and Manufacture of Agricultural Machinery

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## 57. NANJING TEACHERS COLLEGE

Alternative English versions of name: Nanjing (Nanking) Normal College  
 Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province  
 Type of institution: Teacher Training  
 Listing in Institutional Profiles: p. 90  
 Specialized fields in which a doctoral degree may be conferred:

Ancient Chinese Literature

## 58. YANGZHOU TEACHERS COLLEGE

Alternative English versions of name: Yangzhou (Yangchow) Normal College  
 Location: Yangzhou (Yangchow) city, Jiangsu (Kiangsu) province  
 Type of institution: Teacher Training  
 Listing in Institutional Profiles: p. 147  
 Specialized fields in which a doctoral degree may be conferred:

Ancient Chinese Literature

## 59. JIANGSU TEACHERS COLLEGE

Alternative English versions of name: Jiangsu (Kiangsu) Normal College  
 Location: Suzhou (Soochow) city, Jiangsu (Kiangsu) province  
 Type of institution: Teacher Training  
 Listing in Institutional Profiles: p. 70  
 Specialized fields in which a doctoral degree may be conferred:

Ancient Chinese Literature

## 60. NANJING AGRICULTURAL COLLEGE

Alternative English versions of name: Nanjing (Nanking) Agricultural  
 Institute  
 Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province  
 Type of institution: Agricultural (national "key" institution)  
 Listing in Institutional Profiles: p. 86  
 Specialized fields in which a doctoral degree may be conferred:

Crop Genetics and Crop Breeding  
 Crop Nutrition and Fertilization  
 Plant Pathology  
 Agricultural Microbiology

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## 61. SUZHOU MEDICAL COLLEGE

Alternative English versions of name: Soochow Medical College  
 Location: Suzhou (Soochow) city, Jiangsu (Kiangsu) province  
 Type of institution: Medical  
 Listing in Institutional Profiles: p. 127  
 Specialized fields in which a doctoral degree may be conferred:

Internal Medicine  
 Surgery

## 62. NANJING MEDICAL COLLEGE

Alternative English versions of name: Nanking Medical College  
 Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province  
 Type of institution: Medical  
 Listing in Institutional Profiles: p. 89  
 Specialized fields in which a doctoral degree may be conferred:

Parasitology

## 63. NANJING COLLEGE OF CHINESE MEDICINE

Alternative English versions of name: Nanjing (Nanking) College of  
 Traditional Chinese Medicine  
 Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province  
 Type of institution: Medical  
 Listing in Institutional Profiles: p. 86  
 Specialized fields in which a doctoral degree may be conferred:

Chinese Internal Medicine

## 64. NANJING PHARMACOLOGY COLLEGE

Alternative English versions of name: Nanjing (Nanking) Institute of  
 Pharmacology  
 Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province  
 Type of institution: Scientific/Medical  
 Listing in Institutional Profiles: p. 87  
 Specialized fields in which a doctoral degree may be conferred:

Pharmaceutical Chemistry  
 Pharmacognosy

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Zhejiang (Chekiang) Province

## 65. HANGZHOU UNIVERSITY

Alternative English versions of name: Hangchow University  
 Location: Hangzhou (Hangchow) city, Zhejiang (Chekiang) province  
 Type of institution: Comprehensive  
 Listing in Institutional Profiles: p. 52  
 Specialized fields in which a doctoral degree may be conferred:

Industrial Psychology  
 Basic Mathematics

## 66. ZHEJIANG UNIVERSITY

Alternative English versions of name: Chekiang University  
 Location: Hangzhou (Hangchow) city, Zhejiang (Chekiang) province  
 Type of institution: Scientific and Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 152  
 Specialized fields in which a doctoral degree may be conferred:

Basic Mathematics  
 Operations Research and Cybernetics  
 Theoretical Physics  
 Solid State Mechanics  
 Machinery for Light and Chemical Industry  
 Biomedical Apparatus and Engineering  
 Metallic Materials and Heat Treatment  
 Engineering Thermal Physics  
 Electric Motors  
 Electrical Power Systems and their Automation  
 Industrial Electronic Technology  
 Industrial Automation  
 Geotechnical Engineering  
 Chemical Engineering Thermodynamics

## 67. ZHEJIANG AGRICULTURAL UNIVERSITY

Alternative English versions of name: Chekiang Agricultural University  
 Location: Hangzhou (Hangchow) city, Zhejiang (Chekiang) province  
 Type of institution: Agricultural  
 Listing in Institutional Profiles: p. 150  
 Specialized fields in which a doctoral degree may be conferred:

Vegetables  
 Soil

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## 68. ZHEJIANG MEDICAL UNIVERSITY

Alternative English versions of name: Chekiang Medical University

Location: Hangzhou (Hangchow) city, Zhejiang (Chekiang) province

Type of institution: Medical

Listing in Institutional Profiles: p. 151

Specialized fields in which a doctoral degree may be conferred:

Internal Medicine

Infectious Diseases

Anhui (Anhwei) Province

## 69. CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY

Alternative English versions of name: University of Science and Technology of China

Location: Hefei (Hofei) city, Anhui (Anhwei) province (main campus);

Graduate School is in Beijing (Peking)

Type of institution: Scientific and Technological (national "key" institution)

Listing in Institutional Profiles: p. 30

Specialized fields in which a doctoral degree may be conferred:

Basic Mathematics

Probability Theory and Mathematical Statistics

Theoretical Physics

Solid State Physics

Optics

Nuclear Physics and Nuclear Technology

Plasma Physics

Low Temperature Physics

History of Physics

Astrophysics

Fluid Mechanics

Fujian (Fukien) Province

## 70. XIAMEN UNIVERSITY

Alternative English versions of name: Amoy University

Location: Xiamen (Amoy) city, Fujian (Fukien) province

Type of institution: Comprehensive (national "key" institution)

Listing in Institutional Profiles: p. 139

Specialized fields in which a doctoral degree may be conferred:

Accounting

Ancient Chinese History

Specialized History

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Physical Chemistry  
 Zoology  
 Marine Biology

Shandong (Shantung) Province

71. SHANDONG UNIVERSITY

Alternative English versions of name: Shantung University  
 Location: Jinan (Tsinan) city, Shandong (Shantung) province  
 Type of institution: Comprehensive (national "key" institution)  
 Listing in Institutional Profiles: p. 109  
 Specialized fields in which a doctoral degree may be conferred:

Ancient Chinese Literature  
 Ancient Chinese History  
 Basic Mathematics  
 Planning and Control Theories  
 Magnetism  
 High Energy Physics  
 Physical Chemistry  
 Microbiology

72. SHANDONG OCEANOGRAPHY COLLEGE

Alternative English versions of name: Shandong (Shantung) Oceanology  
 Institute  
 Location: Qingdao (Tsingtao) city, Shandong (Shantung) province  
 Type of institution: Scientific and Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 107  
 Specialized fields in which a doctoral degree may be conferred:

Physical Oceanography

73. SHANDONG MEDICAL COLLEGE

Alternative English versions of name: Shantung Medical College  
 Location: Jinan (Tsinan) city, Shandong (Shantung) province  
 Type of institution: Medical  
 Listing in Institutional Profiles: p. 108  
 Specialized fields in which a doctoral degree may be conferred:

Gynecology

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Henan (Honan) Province

## 74. HENAN MEDICAL COLLEGE

Alternative English versions of name: Honan Medical College

Location: Zhengzhou (Chengchow) city, Honan (Honan) province

Type of institution: Medical

Listing in Institutional Profiles: p. 52

Specialized fields in which a doctoral degree may be conferred:

Pathological Anatomy  
Otolaryngology

Hubei (Hupeh) Province

## 75. WUHAN UNIVERSITY

Alternative English versions of name: \_\_\_\_\_

Location: Wuhan city, Hubei (Hupeh) province

Type of institution: Comprehensive (national "key" institution)

Listing in Institutional Profiles: p. 138

Specialized fields in which a doctoral degree may be conferred:

Contemporary Foreign Philosophy  
World Economics  
International Law  
History of the Chinese Language  
Ancient Chinese History  
Modern and Contemporary World History  
Basic Mathematics  
Space Physics  
Physical Chemistry  
Botany  
Virology

## 76. CENTRAL CHINA TECHNOLOGICAL COLLEGE

Alternative English versions of name: Central China Institute of Technology

Location: Wuhan city, Hubei (Hupeh) province

Type of institution: Technological (national "key" institution)

Listing in Institutional Profiles: p. 22

Specialized fields in which a doctoral degree may be conferred:

Machinery Manufacture  
Metallic Materials and Heat Treatment  
Internal Combustion Engines  
Power Plant Thermodynamics  
Electric Motors

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Power Plant Engineering  
 Electric Power Systems and their Automation  
 Communications and Electronic Systems  
 Systems Engineering

77. WUHAN GEOLOGICAL COLLEGE

Alternative English versions of name: Wuhan Institute of Geology  
 Location: Wuhan city, Hubei (Hupei) province  
 Type of institution: Scientific and Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 136  
 Specialized fields in which a doctoral degree may be conferred:

Mineralogy  
 Petrology (including Sedimentation)  
 Mineral Deposits  
 Palaeontology and Stratigraphy  
 Petroleum Geology  
 Hydrogeology  
 Applied Geophysics  
 Mine Prospecting Engineering

78. WUHAN WATER CONSERVANCY AND ELECTRIC POWER COLLEGE

Alternative English versions of name: Wuhan Institute of Water Conservancy and Electric Power  
 Location: Wuhan city, Hubei (Hupei) province  
 Type of institution: Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 136  
 Specialized fields in which a doctoral degree may be conferred:

High Voltage Electrical Engineering  
 Engineering Hydrology and Water Resources  
 Hydraulics and River and Seashore Dynamics  
 Hydraulic Structural Engineering  
 Farmland Irrigation and Water Conservancy Engineering

79. WUHAN BUILDING MATERIALS INDUSTRY COLLEGE

Alternative English versions of name: Wuhan Institute of Building Materials  
 Location: Wuhan city, Hubei (Hupei) province  
 Type of institution: Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 135  
 Specialized fields in which a doctoral degree may be conferred:

Inorganic Non-metallic Materials

## 80. WUHAN SURVEYING AND CARTOGRAPHY COLLEGE

Alternative English versions of name: Wuhan Institute of Geodesy,  
Photogrammetry and Cartography

Location: Wuhan city, Hubei (Hupeh) province

Type of institution: Technological (national "key" institution)

Listing in Institutional Profiles: p. 136

Specialized fields in which a doctoral degree may be conferred:

Aerial Photogrammetry  
Geodesy

## 81. CENTRAL CHINA TEACHERS COLLEGE

Alternative English versions of name: Central China Normal College

Location: Wuhan city, Hubei (Hupeh) province

Type of institution: Teacher Training

Listing in Institutional Profiles: p. 23

Specialized fields in which a doctoral degree may be conferred:

Modern and Contemporary Chinese History  
Historical Texts

## 82. CENTRAL CHINA AGRICULTURAL COLLEGE

Alternative English versions of name: Central China Agricultural Institute

Location: Wuhan city, Hubei (Hupeh) province

Type of institution: Agricultural (national "key" institution)

Listing in Institutional Profiles: p. 22

Specialized fields in which a doctoral degree may be conferred:

Crop Genetics and Crop Breeding  
Fruit Trees  
Agricultural Microbiology

## 83. WUHAN MEDICAL COLLEGE

Alternative English versions of name: —

Location: Wuhan city, Hubei (Hupeh) province

Type of institution: Medical

Listing in Institutional Profiles: p. 137

Specialized fields in which a doctoral degree may be conferred:

Pathological Anatomy  
Pharmacology  
Internal Medicine

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Surgery  
Gynecology  
Otolaryngology  
Environmental Sanitation

Hunan Province

84. CENTRAL-SOUTH MINING AND METALLURGY COLLEGE

Alternative English versions of name: Central-South Institute of Mining and Metallurgy

Location: Changsha city, Hunan province

Type of institution: Technological (national "key" institution)

Listing in Institutional Profiles: p. 24

Specialized fields in which a doctoral degree may be conferred:

Metallic Materials and Heat Treatment  
Metallurgical Physical Chemistry  
Non-ferrous Metallurgy  
Mineral Products Surveying and Prospecting  
Ore Dressing Engineering

85. CHANGSHA RAILWAY COLLEGE

Alternative English versions of name: Changsha Railway Institute

Location: Changsha city, Hunan province

Type of institution: Technological

Listing in Institutional Profiles: p. 26

Specialized fields in which a doctoral degree may be conferred:

Probability Theory and Mathematical Statistics

86. NATIONAL DEFENSE UNIVERSITY OF SCIENCE AND TECHNOLOGY

Alternative English versions of name: University of Science and Technology for National Defense

Location: Changsha city, Hunan province

Type of institution: Scientific and Technological

Listing in Institutional Profiles: p. 134

Specialized fields in which a doctoral degree may be conferred:

Solid State Mechanics  
Aerodynamics  
Computer Organization and Systems Structure  
Automatic Controls

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## 87. HUNAN MEDICAL COLLEGE

Alternative English versions of name: \_\_\_\_\_  
 Location: Changsha city, Hunan province  
 Type of institution: Medical  
 Listing in Institutional Profiles: p. 66  
 Specialized fields in which a doctoral degree may be conferred:

Medical Biology and Medical Genetics  
 Physiology  
 Pathological Physiology  
 Pharmacology  
 Internal Medicine

Guangdong (Kwangtung) Province

## 88. ZHONGSHAN UNIVERSITY

Alternative English versions of name: Sun Yat-sen University; Chungshan University  
 Location: Guangzhou (Canton) city, Guangdong (Kwangtung) province  
 Type of institution: Comprehensive (national "key" institution)  
 Listing in Institutional Profiles: p. 155  
 Specialized fields in which a doctoral degree may be conferred:

Styles and Forms of Chinese Literature  
 Philology of the Chinese Language  
 English Language and Literature  
 Cultural Anthropology  
 Probability Theory and Mathematical Statistics  
 Theoretical Physics  
 Optics  
 Organic Chemistry  
 Botany  
 Entomology

## 89. SOUTH CHINA TECHNOLOGICAL COLLEGE

Alternative English versions of name: South China Institute of Technology;  
 South China College of Engineering  
 Location: Guangzhou (Canton) city, Guangdong (Kwangtung) province  
 Type of institution: Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 123  
 Specialized fields in which a doctoral degree may be conferred:

Machinery Manufacturing  
 Communications and Electronic Systems  
 History and Theory of Architecture  
 Chemical Engineering Fluid Mechanics and Heat Transmission  
 Sugar Refining Engineering

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## 90. ZHONGSHAN MEDICAL COLLEGE

Alternative English versions of name: Sun Yat-sen Medical College;  
 Chungshan Medical College  
 Location: Guangzhou (Canton) city, Guangdong (Kwangtung) province  
 Type of institution: Medical (national "key" institution)  
 Listing in Institutional Profiles: p. 155  
 Specialized fields in which a doctoral degree may be conferred:

Human Anatomy  
 Microbiology and Immunology  
 Parasitology  
 Pharmacology  
 Internal Medicine  
 Surgery  
 Ophthalmology

## 91. GUANGZHOU COLLEGE OF CHINESE MEDICINE

Alternative English versions of name: Canton College of Chinese Medicine  
 Location: Guangzhou (Canton) city, Guangdong (Kwangtung) province  
 Type of institution: Medical  
 Listing in Institutional Profiles: p. 48  
 Specialized fields in which a doctoral degree may be conferred:

Chinese Obstetrics

Sichuan (Szechwan) Province

## 92. SICHUAN UNIVERSITY

Alternative English versions of name: Szechwan University  
 Location: Chengdu (Chengtu) city, Sichuan (Szechwan) province  
 Type of institution: Comprehensive (national "key" institution)  
 Listing in Institutional Profiles: p. 122  
 Specialized fields in which a doctoral degree may be conferred:

History of Chinese Literary Criticism  
 Archaeology  
 Ancient Chinese History  
 Basic Mathematics  
 Botany

## 93. CHONGQING UNIVERSITY

Alternative English versions of name: Chungking University  
 Location: Chongqing (Chungking) city, Sichuan (Szechwan) province

Type of institution: Scientific and Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 33  
 Specialized fields in which a doctoral degree may be conferred:

Theoretical Electrical Engineering

94. CHENGDU UNIVERSITY OF SCIENCE AND TECHNOLOGY

Alternative English versions of name: Chengtu University of Science and Technology

Location: Chengdu (Chengtu) city, Sichuan (Szechwan) province

Type of institution: Scientific and Technological (national "key" institution)

Listing in Institutional Profiles: p. 29

Specialized fields in which a doctoral degree may be conferred:

Hydraulics and River and Seashore Dynamics  
 High Polymer Materials

95. CHENGDU TELECOMMUNICATIONS ENGINEERING COLLEGE

Alternative English versions of name: Chengdu (Chengtu) Institute of Telecommunications Engineering

Location: Chengdu (Chengtu) city, Sichuan (Szechwan) province

Type of institution: Technological (national "key" institution)

Listing in Institutional Profiles: p. 28

Specialized fields in which a doctoral degree may be conferred:

Signals, Circuits, and Systems  
 Electronic Physics and Apparatus  
 Electro-magnetic Field and Microwave Technology

96. SOUTHWEST COMMUNICATIONS UNIVERSITY

Alternative English versions of name: Southwest Jiaotong University

Location: Emei county, Sichuan (Szechwan) province

Type of institution: Technological (national "key" institution)

Listing in Institutional Profiles: p. 125

Specialized fields in which a doctoral degree may be conferred:

Solid State Mechanics  
 Engineering of Bridges, Tunnels, and Structures  
 Electrification and automation of Railway Propulsion

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## 97. SOUTHWEST AGRICULTURAL COLLEGE

Alternative English versions of name: Southwest Agricultural Institute  
 Location: Chongqing (Chungking) city, Sichuan (Szechwan) province  
 Type of institution: Agricultural (national "key" institution)  
 Listing in Institutional Profiles: p. 125  
 Specialized fields in which a doctoral degree may be conferred:

Soil

## 98. SICHUAN MEDICAL COLLEGE

Alternative English versions of name: Szechwan Medical College  
 Location: Chengdu (Chengtu) city, Sichuan (Szechwan) province  
 Type of Institution: Medical (national "key" institution)  
 Listing in Institutional Profiles: p. 121  
 Specialized fields in which a doctoral degree may be conferred:

Tissue Embryology  
 Biochemistry  
 Pathological Anatomy  
 Surgery  
 Stomatology  
 Pharmaceutical Chemistry

## 99. CHONGQING MEDICAL COLLEGE

Alternative English versions of name: Chungking Medical College  
 Location: Chongqing (Chungking) city, Sichuan (Szechwan) province  
 Type of institution: Medical  
 Listing in Institutional Profiles: p. 32  
 Specialized fields in which a doctoral degree may be conferred:

Infectious Diseases

## 100. CHENGDU COLLEGE OF CHINESE MEDICINE

Alternative English versions of name: Chengdu (Chengtu) College of  
 Traditional Chinese Medicine  
 Location: Chengdu (Chengtu) city, Sichuan (Szechwan) province  
 Type of institution: Medical  
 Listing in Institutional Profiles: p. 27  
 Specialized fields in which a doctoral degree may be conferred:

Chinese Drugs

Yunnan Province

## 101. YUNNAN UNIVERSITY

Alternative English versions of name: \_\_\_\_\_  
 Location: Kunming city, Yunnan province  
 Type of institution: Comprehensive (national "key" institution)  
 Listing in Institutional Profiles: p. 149  
 Specialized fields in which a doctoral degree may be conferred:

History of the Nationalities of China

Shaanxi (Shensi) Province

## 102. NORTHWEST UNIVERSITY

Alternative English versions of name: \_\_\_\_\_  
 Location: Xi'an (Sian) city, Shaanxi (Shensi) province  
 Type of institution: Comprehensive (national "key" institution)  
 Listing in Institutional Profiles: p. 96  
 Specialized fields in which a doctoral degree may be conferred:

Theoretical Physics

## 103. XI'AN COMMUNICATIONS UNIVERSITY

Alternative English versions of name: Xi'an (Sian) Jiaotong University  
 Location: Xi'an (Sian) city, Shaanxi (Shensi) province  
 Type of institution: Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 142  
 Specialized fields in which a doctoral degree may be conferred:

Solid State Mechanics  
 Machinery Manufacturing  
 Liquid Pressure Transmission and Pneumatics  
 Metallic Materials and Heat Treatment  
 Engineering Thermal Physics  
 Thermal Energy Engineering  
 Fluid Machines and Fluid Dynamics Engineering  
 Electrical Apparatus  
 Electric Power Systems and Their Automation  
 Electrical Engineering Insulation Technology  
 Electro-magnetic Field and Microwave Technology  
 Automatic Controls  
 Systems Engineering

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## 104. SHAANXI MACHINERY COLLEGE

Alternative English versions of name: Shaanxi (Shensi) Machinery Institute  
 Location: Xi'an (Sian) city, Shaanxi (Shensi) province  
 Type of institution: Technological  
 Listing in Institutional Profiles: p. 103  
 Specialized fields in which a doctoral degree may be conferred:

Engineering Hydrology and Water Resources

## 105. NORTHWEST INDUSTRIAL UNIVERSITY

Alternative English versions of name: Northwest Polytechnical University;  
 Northwest Institute of Technology  
 Location: Xi'an (Sian) city, Shaanxi (Shensi) province  
 Type of institution: Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 96  
 Specialized fields in which a doctoral degree may be conferred:

Solid State Mechanics  
 Aerodynamics  
 General Mechanics  
 Casting  
 Aeronautical Mechanics  
 Aviation Engines  
 Engineering for the manufacture of Aeronautic Instruments

## 106. NORTHWEST TELECOMMUNICATIONS ENGINEERING COLLEGE

Alternative English versions of name: Northwest Institute of Telecommunications  
 Engineering  
 Location: Xi'an (Sian) city, Shaanxi (Shensi) province  
 Type of institution: Technological (national "key" institution)  
 Listing in Institutional Profiles: p. 96  
 Specialized fields in which a doctoral degree may be conferred:

Communications and Electronic Systems

## 107. XI'AN METALLURGY AND ARCHITECTURE COLLEGE

Alternative English versions of name: Xi'an (Sian) Institute of Metallurgy  
 and Architecture  
 Location: Xi'an (Sian) city, Shaanxi (Shensi) province  
 Type of institution: Technological  
 Listing in Institutional Profiles: p. 141

Specialized fields in which a doctoral degree may be conferred:

Structural Engineering

108. SHAANXI TEACHERS UNIVERSITY

Alternative English versions of name: Shaanxi (Shensi) Normal University

Location: Xi'an (Sian) city, Shaanxi (Shensi) province

Type of institution: Teacher Training

Listing in Institutional Profiles: p. 104

Specialized fields in which a doctoral degree may be conferred:

Historical Geography

109. XI'AN MEDICAL COLLEGE

Alternative English versions of name: Sian Medical College

Location: Xi'an (Sian) city, Shaanxi (Shensi) province

Type of institution: Medical

Listing in Institutional Profiles: p. 142

Specialized fields in which a doctoral degree may be conferred:

Physiology

Gansu (Kansu) Province

110. LANZHOU UNIVERSITY

Alternative English versions of name: Lanchow University

Location: Lanzhou (Lanchow) city, Gansu (Kansu) province

Type of institution: Comprehensive (national "key" institution)

Listing in Institutional Profiles: p. 81

Specialized fields in which a doctoral degree may be conferred:

Theoretical Physics

Nuclear Physics and Nuclear Technology

Organic Chemistry

Plant Physiology

Cytology/Cell Biology

Solid State Mechanics

111. NORTHWEST TEACHERS COLLEGE

Alternative English versions of name: Northwest Normal College

Location: Lanzhou (Lanchow) city, Gansu (Kansu) province

Type of institution: Teacher Training

Listing in Institutional Profiles: \_\_\_\_\_

Specialized fields in which a doctoral degree may be conferred:

Theories of Teaching and Learning

<sup>1</sup>The institutions are listed in the sequence used in the original Chinese source, where they are grouped by major political subdivisions (provinces and special municipalities) in the order in which these subdivisions are customarily arranged in official Chinese government documents.

<sup>2</sup>In the Chinese language, the name of each institution on this list includes one of two terms, daxue or xueyuan. In the main listing of an institution's name in this report, daxue is invariably translated as "university," and xueyuan is invariably translated as "college." Rendering xueyuan as "college" (rather than "institute," as it has been sometimes translated in other materials giving English names for China's higher educational institutions) is, in this writer's view, a preferable translation, particularly because it minimizes the possibility of confusion between China's colleges and the various Research Institutes of such bodies as the Chinese Academy of Sciences (CAS) and the Chinese Academy of Social Sciences (CASS), from whose names the term "research" is often dropped when they are translated into English.

<sup>3</sup>This entry indicates the page on which the institution is listed in Thomas Fingar, Higher Education and Research in the People's Republic of China: Institutional Profiles (Washington: Committee on Scholarly Communication with the People's Republic of China and National Association for Foreign Student Affairs, 1981). Readers are referred to this listing for the name of the institution in Chinese characters and in romanization, and also for other useful descriptive information.

Source: The names of the institutions and the doctoral fields of specialization for each are translated directly from lists in Gaojiao Zhanxian [Higher Education Front], No. 4, 1982 (April 13, 1982), pp. 40-42, and No. 5, 1982 (May 13, 1982), p. 44. Other information given on the institutions is based mainly on data in Fingar, op. cit.

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